

# APOORV SAXENA

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## EDUCATION

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### G L Bajaj Institute of Technology and Management

Bachelor of Technology, Computer Science and Engineering

2021 - Present

Greater Noida

## PROJECTS/OPEN-SOURCE WORK

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### Accord Project (Linux Foundation) | JavaScript, TypeScript, PEG.js

- Contributed to Concerto, a JavaScript schema language and runtime for smart contracts.
- Built a prototype Linter to allow users to specify stylistic rules for how their models are structured.
- Implemented various data modeling features, including support for references in map values and attributes for size validation of arrays and maps.
- Added suitable unit tests to the existing suite for the introduced features.

### VidSense | JavaScript, HTML/CSS, Python/Flask, Hugging Face Inference API, WebRTC

- Built a web application to answer a question or generate a summary based on the content of a video-lecture/meeting.
- Developed an extension to perform a similar function on YouTube videos, using the captions of the video as context.
- Successfully published the associated extension to the Chrome Web Store, expanding its reach.

### Mimir: Remote Control | JavaScript, Node.js, HTML/CSS, RobotJS

- Developed a multi-purpose utility for remote control functionality across devices on the same local network.
- Implemented functionality for 3 usage scenarios- allowing the application to function as a keyboard, trackpad or gamepad.
- Showcased the project at Social Summer Of Code 2024, introducing the application to the open-source community.

### RunTime.io | HTML/CSS, JavaScript, Youtube Data API

- A website to calculate total duration of a YouTube playlist and display detailed video information.
- Integrated YouTube Data API to fetch and process playlist data.

### Leaf Disease Detection | Python, Keras, TensorFlow, Kaggle, Gradio

- Used a convolutional neural network for leaf disease detection through image-processing.
- Trained the model on a dataset of 10,000 training and 1,000 testing images from Kaggle and leveraged the Gradio python library, to create a web-based interface

## TECHNICAL SKILLS

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**Languages:** Java, JavaScript (ES6), Python, Bash, HTML/CSS, SQL

**Development Tools:** Git, Postman, Google Colaboratory, Docker

**Technologies/Frameworks:** Node.js, Express.js, MongoDB, React, Prisma, Mocha, Webpack

## EXTRACURRICULAR/LEADERSHIP

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- **Project Admin**, Social Summer of Code, 2024
- **Open Source Contributor-** Accord Project, Cloud Native Computing Foundation,
- **Registered Extension Developer**, Chrome Web Store
- **Finalist**, Team Lead, Hack4Bioheritage (IGDTUW, New Delhi)
- **2nd Place**, Team Lead, GDSC Dev-On (GLBITM, Gr. Noida)
- **Member**, Google Developers Group (Delhi)